

Form PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 017227-0179		SERIAL NO. <u>09/929,019</u> <del>To be assigned</del>		
INFORMATION DISCLOSURE CITATION  (Use several sheets if necessary)				APPLICANT Barry R. MATTHEWS et al.				
				FILING DATE 08/15/01		GROUP ART UNIT Unassigned		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
JER JER JER JER	1.	6,007,803	Dec. 28, 1999	Mandeville, III et al.	424	78.1	J0997 U.S. PRO 09/929014 10/51/01	
	2.	6,034,129	Mar. 7, 2000	Mandeville, III et al.	514	549		
	3.	6,060,235	May 9, 2000	Neenan et al.	435	5		
	4.	5,869,457	Feb. 2, 1999	Jansen et al.	514	21		
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
JER JER JER	5.	95-340595	12/95	WIPO				
	6.	<del>PCT/FR95/0151</del> 96/158107	<del>12/95</del> 05/1796	<del>FRANCE</del> wd PCT			X	
	7.	254419	01/88	EPO				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
JER	8.	ROY et al.; "Michael Addition of Poly-L-lysine to N-Acryloylated Sialosides, Syntheses of Influenza Virus Haemagglutinin Inhibitor and Group B Meningococcal Polysaccharide Vaccines"; J. Chem. Soc.; 1993; pp. 264-265.						
JER	9.	MAMMEN et al.; "Effective Inhibitors and Hemagglutination by Influenza Virus Synthesized from Polymers Having Active Ester Groups. Insight into Mechanism of Inhibition"; Journal of Medicinal Chemistry; Vol. 38, No. 21; 1995; pp. 4179-4190.						
JER	10.	SIGAL et al.; "Polyacrylamides Bearing Pendant $\alpha$ -Sialoside Groups Strongly Inhibit Agglutination of Erythrocytes by influenza Virus: The Strong Inhibition Reflects Enhanced Binding Through Cooperative Polyvalent Interactions"; Journal of American Chemistry Society; Vol. 118, No. 16; April 24, 1996; pp. 3789-3800.						
JER	11.	ITOH et al.; "Suppression of Influenza Virus infection by an N-Thioacetylneuraminic Acid Acrylamide Copolymer Resistant To Neuraminidase"; Virology; Vol. 212; 1995; pp. 340-347.						
JER	12.	MATROSOVICH et al.; Synthetic Polymeric Sialoside Inhibitors of Influenza Virus Receptor-binding Activity"; FEBS Letters; Vol. 272, No. 1,2; October 1990; pp. 209-212.						
EXAMINER Jeffrey E. Russel				DATE CONSIDERED April 18, 2003				

\* **EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant.

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Form PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 017227-0179	SERIAL NO. <u>09/727,014</u> <del>To be assigned</del>
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		FILING DATE 08/15/01	GROUP ART UNIT Unassigned

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

JR	13.	MOCHALOVA et al.; "Synthetic Polymeric Inhibitors of Influenza Virus Receptor-Binding Activity Suppress Virus Replication"; Antiviral Research; Vol. 23; 1994; pp. 179-190.
JR	14.	SPARKS et al.; "Neuraminidase-Resistant Hemagglutination Inhibitors: Acrylamide Copolymers Containing A C-Glycoside of N-Acetylneuraminic Acid"; Journal of Medicinal Chemistry; Vol. 36, No. 6; 1995; pp. 778-783.
JR	15.	SPALTENSTEIN et al.; "Polyacrylamides Bearing Pendant $\alpha$ -Sialoside Groups Strongly Inhibit Agglutination of Erythrocytes by Influenza Virus"; J. Am. Chem. Soc.; Vol. 113; 1991; pp. 686-687.
JR	16.	LEES et al.; "Polyacrylamides Bearing Pendant $\alpha$ -Sialoside Groups Strongly Inhibit Agglutination of Erythrocytes by Influenza A Virus: Multivalency and Steric Stabilization of Particulate Biological Systems"; Journal of Medicinal Chemistry; Vol. 37, No. 20; 1994; pp. 3417-3433.
JR	17.	NAGY et al.; "Carbohydrate Materials Bearing Neuraminidase-Resistant C-Glycosides of Invertase of Influenza Virus"; Journal of Medicinal Chemistry; Vol. 35, No. 23; 1992; pp. 4501-4502.
JR	18.	ROY et al.; "Synthesis of Esterase-Resistant 9-o-Acetylated Polysialoside as Inhibitor of Influenza C Virus Hemagglutinin"; Chem. Int. Ed. Engl.; Vol. 31, No. 11; 1992; pp. 1478-1481.
JR	19.	GAMIAN et al.; "Inhibition of Influenza A Virus Hemagglutinin and Induction of Interferon by Synthetic Sialylated Glycoconjugates"; J. Microbiol.; Vol. 37; 1991; pp. 233-237.
JR	20.	Yang, et al., "Inhibitory effect of polyionic compounds on the adsorption of herpes simplex virus type 1 (KOS)", <i>Antiviral Chemistry &amp; Chemotherapy</i> , 8:1 32-37 (1997)
JR	21.	Sinibaldi, et al., "Effect of Biological and Synthetic Polymers on BK Virus Infectivity and Haemagglutination", <i>J. of Chemotherapy</i> , 4:1 16-22 (1992)
JR	22.	Roy, et al., "Solid Phase Synthesis of Dendritic Dialoside Inhibitors of Influenza A Virus Haemagglutinin", <i>J.C.S., Chem. Commun.</i> , 1869-1972 (1993)

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JER	23.	Bagasra, et al., "Anti-Human Immunodeficiency Virus Type 1 Activity of Sulfated Monosaccharides. Comparison with sulfated Polysaccharides and Other Polyions", <i>J. Infectious Diseases</i> , 164: 1082-90 (1991).
JR	24.	Hosoya, et al., "Inhibitory effects of polycations on the replication of enveloped viruses (HIV, HSV, CMV, RSV, influenza A virus and togaviruses ) <i>in vitro</i> ", <i>Antiviral Chem. &amp; Chemo.</i> , 2:4 243-248 (1991).
JR	25.	Mathur, et al., "Antiviral Activity of Some New Cationic Polyamino Acids", <i>Indian J. of Experimental Biology</i> , 20: 227-229 (1982).

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